

Work Order ID 148298

Tuesday, June 28, 2016 9:02:01 AM

148298

Page 1

Item ID: 646.4001

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: AS350 Cable Cutter System

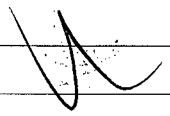
Start Date: 6/20/2016 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 6/27/2016 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan:  Date: _____ Tooling: _____ Date: _____Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
646.4000	C1

DAS
6
9-89

JUL 26 2016

100 Document Control 0.00

100

DOCUMENT CONTROL

DC Memo 0.00

Doc.Control -USB or Paperwork Photocopy bluefile & type labels per PPP 646.4001

DAS
28
9-89

AUG 10 2016

110 Pick Kit 0.00

110

Packaging Memo 0.00

Packaging

DAS
6
9-89DAS
27
9-89

JUL 27 2016

120 QC4- 100% Inspect kits for completeness 0.00

120

QC Memo 0.00

Quality Control

DAS
28
9-89

AUG 10 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
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Work Order ID 148298

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Accept

N900040100Setup Start ***NS1***

Revision ID:

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Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/27/2016 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging					/X		DAS	AUG 0 2016
Packaging	Memo	0.00						28	
Packaging	Identify and pack for shipping as per PPP 646.4001 Location: <u>fg101</u>							9-89	
140		0.00							
140	QC21- Final Inspection - Work Order Release								16/8/10 DJ
QC	Memo	0.02							
Quality Control									

SA AUG 09 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ <i>0 30</i> Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : _____									

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148298

646 4001

Required Date: 6/27/2016

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

DAS	DAS
6	27
9-89	9-89

Loc Code

58

181

168

DAS
6
9-89

DAS
27
9-89

Loc Code

8

12

12

DAS	DAS
6	27
9-89	9-89

Loc Code

8

8

12

m134249

12

JUL 27 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Picklist Print

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Page 2

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

600.1012 Purchased No

100 Each 14.0000 1 1

600 1012

Sealant PR1425B2 (#654 sem)

DAS
6 27
9-89 9-89

Location

Loc Qty

Loc Code

cck017

13

m134249

3

m134634

10

cck018

1

m131364

1

10/30/2015

600.1013 Purchased No

100 Each 760.0000 5 5

600 1013

021200-3M TAPE PRIMER 94 PRIMER 24216

DAS
6 27
9-89 9-89

Location

Loc Qty

Loc Code

CCK095

760

m131145

760

6/15/2016

646.2910 Manufactured No

100 Each 11.0000 1 1

646 2910

Deflector

DAS
6 27
9-89 9-89

Location

Loc Qty

Loc Code

CCK050

11

140993

11

646.3001 Manufactured No

100 Each 4.0000 1 1

646 3001

Lower Cutter Assembly

DAS
6 27
9-89 9-89

Location

Loc Qty

Loc Code

cck018

4

142638

4

JUL 27 2016

DAS
28
9-89

Tuesday, June 28, 2016 9:01:59 AM

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Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
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Root Cause		FAULT CATEGORY																							
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OTHER : _____																									

Picklist Print

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Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

646.3110 Manufactured No

100 Each 21.0000 1 1

646 3110

Channel

DAS
6
9-89
DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck020

21

140111

1

141015

20

646.3210 Manufactured No

100 Each 16.0000 1 1

646 3210

Support

DAS
6
9-89
DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck020

16

141064

6

142469

10

646.3301 Manufactured No

100 Each 0.0000 1 1

646 3301

Upper Cutter Assy

DAS
6
9-89
DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck104

9

140979

9

CCK108A

14

140979

14

646.3510 Manufactured No

100 Each 23.0000 1 1

646 3510

Strut

DAS
6
9-89
DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck104

9

140979

9

CCK108A

14

140979

14

JUL 27 2016

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Page 3

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

646.3511 Manufactured No

100 Each 22.0000 1 1

646 3511

Strut

DAS
28
9-89

Location Loc Qty Loc Code

cck104 10

141499 10

CCK108A 12

141499 12

DAS
27
9-89

DAS
6
9-89

646.3610 Manufactured No

100 Each 12.0000 1 1

646 3610

Filler

DAS
28
9-89

Location Loc Qty Loc Code

cck104 12

141103 12

DAS
27
9-89

DAS
6
9-89

646.3710 Manufactured No

100 Each 22.0000 1 1

646 3710

Doubler

DAS
28
9-89

Location Loc Qty Loc Code

CCK002 22

140753 22

DAS
6
9-89

DAS
27
9-89

646.3711 Manufactured No

100 Each 3.0000 1 1

646 3711

Clip

DAS
28
9-89

Location Loc Qty Loc Code

cck105 3

120626 3

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142632

DAS
6
9-89

DAS
27
9-89

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OTHER : ☐								

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Tuesday, June 28, 2016 9:01:59 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

646.3712 Manufactured No 100 Each 17.0000 1 1 **DAS 6 9-89** **DAS 27 9-89**

646 3712 ******

Clip **DAS 28 9-89**

Location	Loc Qty	Loc Code
cck105	17	
140787	17	

646.3713 Manufactured No 100 Each 21.0000 1 1 **DAS 6 9-89** **DAS 27 9-89**

646 3713 ******

Gusset **DAS 28 9-89**

Location	Loc Qty	Loc Code
cck105	6	
140084	6	
CCK108A	15	
140084	15	

646.3714 Manufactured No 100 Each 8.0000 1 1 **DAS 6 9-89** **DAS 27 9-89**

646 3714 ******

Gusset **DAS 28 9-89**

Location	Loc Qty	Loc Code
cck105	8	
140048	8	

646.3715 Manufactured No 100 Each 5.0000 2 2 **DAS 6 9-89** **DAS 27 9-89**

646 3715 ****** **142630** **JUL 27 2016**

Strut Doubler **DAS 28 9-89**

Location	Loc Qty	Loc Code
cck105	5	
138365	5	

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

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Tuesday, June 28, 2016 9:02:00 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

646.3716 Manufactured No

100 Each 33.0000 1 1

646 3716

Gauge Bracket

DAS
28
9-89LocationLoc QtyLoc Code

cck105

33

140845

33

**

DAS
6
9-89DAS
27
9-89

646.3717 Manufactured No

100 Each 4.0000 1 1

646 3717

Doubler

DAS
28
9-89LocationLoc QtyLoc Code

cck105

4

138175

4

**

DAS
6
9-89DAS
27
9-89

646.3718 Manufactured No

100 Each 13.0000 2 2

646 3718

Custom Washer

DAS
28
9-89LocationLoc QtyLoc Code

cck105

13

140788

13

**

DAS
6
9-89DAS
27
9-89

646.3719 Manufactured No

100 Each 15.0000 2 2

646 3719

Doubler

DAS
28
9-89LocationLoc QtyLoc Code

cck105

15

138311

15

**

DAS

6 DAS

9-89 27

9-89

JUL 27 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

646.3810 Manufactured No

100 Each 19.0000 2 2

646 3810

Bracket

DAS
6
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

cck105

19

141041

9

141555

10

2

646.3811 Manufactured No

100 Each 9.0000 1 1

646 3811

Radius Block

DAS
6
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK106

9

140895

9

1

646.3812 Manufactured No

100 Each 15.0000 2 2

646 3812

Gusset Bracket

DAS
6
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK106

15

140978

15

2

646.3813 Manufactured No

100 Each 9.0000 1 1

646 3813

Strut Bracket

DAS
6
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK106

9

141019

9

1

JUL 27 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Tuesday, June 28, 2016 9:02:00 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

646.3910 Manufactured No 100 Each 39.0000 4 4

646.3910

Shim

DAS
6
9-89 27
9-89

DAS
28
9-89

Location Loc Qty Loc Code

CCK106 39
140772 39

646.3911 Manufactured No 100 Each 42.0000 1 1

646.3911

Shim

DAS
6
9-89 27
9-89

DAS
28
9-89

Location Loc Qty Loc Code

cck104 11
126229 11
CCK106 31
126059 31

646.3912 Manufactured No 100 Each 46.0000 4 4

646.3912

Shim

DAS
6
9-89 27
9-89

DAS
28
9-89

Location Loc Qty Loc Code

CCK106 46
140238 46

646.3913 Manufactured No 100 Each 81.0000 1 1

646.3913

Shim

JUL 27 2016

DAS
28
9-89

Location Loc Qty Loc Code

CCK106 81
126060 81

DAS
6
9-89 27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐				Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐				Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐				Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐											
		OTHER : _____																							

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Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

646.9410 Manufactured No

100 Each 90.0000 1 1

646 9410

Shim

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK013

90

140671

90

**

DAS
6
9-89
DAS
27
9-89

647.0112 Manufactured No

100 Each 62.0000 2 2

647 0112

Strut Bracket

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK107

4

140968

4

CCK108A

58

142661

58

**

DAS
6
9-89
DAS
27
9-89

647.7703 Manufactured No

100 Each 14.0000 2 2

647 7703

Strut Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK114

14

144420

2

144435

12

**

DAS
6
9-89
DAS
27
9-89

650.9201 Manufactured No

100 Each 18.0000 2 2

650 9201

Eyelet Bracket Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

cck127

18

141582

18

**

DAS
6
9-89
DAS
27
9-89

JUN 27 2016

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Tuesday, June 28, 2016 9:02:00 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-11A Purchased No 100 Each 133.0000 10 10

AN3-11A

Bolt

DAS
6 27
9-89 9-89

DAS
28
9-89

Location Loc Qty Loc Code

over003 100

m134852 100

ST349 33

m134167 33

AN3-12A Purchased No 100 Each 87.0000 2 2

AN3-12A

Bolt

DAS
6 27
9-89 9-89

DAS
28
9-89

Location Loc Qty Loc Code

ST349 87

m133064 16

m134257 71

AN3-13A Purchased No 100 Each 61.0000 1 1

AN3-13A

Bolt

DAS
6 27
9-89 9-89

DAS
28
9-89

Location Loc Qty Loc Code

GA 20

m127070 20

ST349 41

m134365 41

AN316C4R Purchased No 100 Each 33.0000 2 2

AN316C4R

NUT

DAS
6 27
9-89 9-89
JUL 26 2016

DAS
28
9-89

Location Loc Qty Loc Code

ST331 33

m133234 25

m133523 8

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
						QC / QA Coordinator Approval			

Root Cause			FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____						
Misidentified ☐	Past Due ☐							

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Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-3A Purchased No 100 Each 177.0000 4 4

AN3-3A

Bolt

**

135274

DAS

6

9-89

DAS

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST350

177

m134738

25

m134848

16

m134962

36

m135046

100

AN3-4A Purchased No 100 Each 340.0000 10 10

AN3-4A

Bolt

**

DAS
28
9-89

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

ST350

340

m134955

340

AN3-5A Purchased No 100 Each 445.0000 2 2

AN3-5A

Bolt

**

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

159

m133686

2

m134502

157

ST350

286

m135058

286

DAS

6

9-89

DAS

27

9-89

JUN 26 2016

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause		FAULT CATEGORY																							
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								OTHER :																	

Picklist Print

Page 12

Tuesday, June 28, 2016 9:02:00 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-6A Purchased No 100 Each 310.0000 2 2

AN3-6A

Bolt

DAS 6 27 9-89 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
over003	250	
M134955	250	
ST349	60	
M134848	60	

AN44-5A Purchased No 100 Each 13.0000 2 2

AN44-5A

Eyebolt

DAS 6 27 9-89 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
ST339	13	
m133990	2	
m134134	11	

AN4C7A Purchased No 100 Each 88.0000 2 2

AN4C7A

BOLT

DAS 6 27 9-89 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
OVER002	60	
m134861	60	
ST345	28	
m133523	20	
m133990	8	

AN665-34R Purchased No 100 Each 17.0000 2 2

AN665-34R

Clevis

DAS 6 27 9-89 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
ST330	17	
M134202	7	
M135087	10	

JUL 26 2016

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DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																	
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OTHER :																																																																									

Picklist Print

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Tuesday, June 28, 2016 9:02:00 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

CCR264SS3-02

Purchased

No

100

Each

194.0000

36

36

CCR264SS3-02

Rivet, Cherry

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

ST321

194

M134134

194

36

CR3213-5-3

Purchased

No

100

Each

152.0000

14

14

CR3213-5-3

Cherry Rivet

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

ST319

152

m134142

152

14

MS20426AD5-7

Purchased

No

100

Each

963.0000

2

2

MS20426AD5-7

RIVET

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

ST311

963

M133922

963

2

MS20470AD5-5.5

Purchased

No

100

Each

934.0000

8

8

MS20470AD5-5 5

Rivet

DAS

27

9-89

DAS

6

9-89

Location

Loc Qty

Loc Code

ST309

934

m134063

934

8

MS20470AD5-6

Purchased

No

100

Each

824.0000

8

8

MS20470AD5-6

RIVET

DAS

27

9-89

DAS

6

9-89

Location

Loc Qty

Loc Code

ST309

824

124089

824

8

Tuesday, June 28, 2016 9:02:00 AM

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Page 13

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval	
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
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Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS20470AD5-7 Purchased No

100 Each 455.0000 3 3

MS20470AD5-7

Rivet

DAS
28
9-89

**

DAS
6
27
9-89

Location

Loc Qty

Loc Code

ST309

455

123425

455

MS21042-08 MS21042L08 Purchased No

100 Each 33.0000 2 2

MS21042-08

USE MS21042L08

DAS
28
9-89

**

134962

DAS
6
27
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

MS21042-3 MS21042L3 Purchased No

100 Each 0.0000 2 2

MS21042-3

Nut / use MS21042L3

DAS
28
9-89

**

134943

JUL 26 2016
DAS
6
27
9-89

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
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				Lead hand / Supervisor Approval Verification	
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Picklist Print

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Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

100

Each

1,775.000

61

61

MS21042L3

Nut

**

DAS
6
9-89
DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK007

600

m135056

600

FP001

32

m133790

32

GA

171

m133790

3

m134360

168

ST303

972

m134039

12

m134634

2

m134754

158

m134943

800

61

MS21042L4

Purchased

No

100

Each

1,993.000

2

2

MS21042L4

Locknut

**

DAS
6
9-89
DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

161

m133769

161

OVER007

500

m134955

500

ST303

1238

m127376

12

m134861

726

m135058

500

ST305

94

m130922

94

JUL 26 2016

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Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
								QC / QA Coordinator Approval																	
Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐				Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐				Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐				Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐											
OTHER : _____																									

Picklist Print

Page 16

Tuesday, June 28, 2016 9:02:00 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS21047-3

Purchased

No

100

Each

169.0000

18

18

MS21047-3

Nut Plate

DAS
6 DAS
9-89 27
9-89

Location

Loc Qty

Loc Code

over005

100

m134955

100

ST301

69

m134166

59

m134676

10

18

4

DAS
28
9-89

MS24693-C278

Purchased

No

100

Each

5.0000

5

5

MS24693-C278

Screw

135/35

DAS
6 DAS
9-89 27
9-89

Location

Loc Qty

Loc Code

ST287

5

m134257

5

DAS
28
9-89

MS24694-S51

Purchased

No

100

Each

133.0000

5

5

MS24694-S51

Screw

DAS
6 DAS
9-89 27
9-89

Location

Loc Qty

Loc Code

ST284

133

m133990

133

DAS
28
9-89

MS24694-S54

Purchased

No

100

Each

82.0000

2

2

MS24694-S54

SCREW

13527

DAS
6 DAS
9-89 27
9-89

Location

Loc Qty

Loc Code

over006

50

m134851

50

ST284

32

m134738

32

DAS
28
9-89

Tuesday, June 28, 2016 9:02:00 AM

Shop Packet Print

Page 16

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

Tuesday, June 28, 2016 9:02:00 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS24694-S55

Purchased

No

100

Each

135.0000

3

3

MS24694-S55

Screw

DAS 6 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST283

135

m134376

135

3

MS27039-08-13

Purchased

No

100

Each

202.0000

2

2

MS27039-08-13

Screw

DAS 6 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

ST278

202

124326

202

2

MS27039-1-10

Purchased

No

100

Each

294.0000

2

2

MS27039-1-10

SCREW

DAS 6 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

CA

41

m128635

41

GA

14

m129541

14

ST280

239

m134676

239

2

MS27039-1-12

Purchased

No

100

Each

86.0000

6

6

MS27039-1-12

Screw

DAS 6 27 9-89

DAS 28 9-89

Location

Loc Qty

Loc Code

over006

50

m134294

50

ST280

36

m133988

36

6

JUL 26 2016

Tuesday, June 28, 2016 9:02:00 AM

Shop Packet Print

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
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Picklist Print

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Tuesday, June 28, 2016 9:02:00 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-1-16

Purchased

No

100

Each

320.0000

24

24

MS27039-1-16

Screw

DAS
6
9-89

Location

Loc Qty

Loc Code

over006

300

m134294

50

m134502

250

ST2820

20

m134142

20

24

DAS
27
9-89

MS27039-1-19

Purchased

No

100

Each

272.0000

22

22

MS27039-1-19

Screw

DAS
6
9-89
DAS
27
9-89

Location

Loc Qty

Loc Code

GA

82

m134134

82

ST280

190

m135058

190

22

DAS
6
9-89
DAS
27
9-89

MS27039-1-20

Purchased

No

100

Each

120.0000

2

2

MS27039-1-20

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST280

120

124326

120

2

DAS
6
9-89
DAS
27
9-89

MS27039-1-21

Purchased

No

100

Each

291.0000

4

4

MS27039-1-21

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

over006

100

m127904

100

ST280

191

m127904

191

4

DAS
6
9-89
DAS
27
9-89
JUL 26 2016

Tuesday, June 28, 2016 9:02:00 AM

Shop Packet Print

Page 18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause		FAULT CATEGORY																							
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Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

100

Each

3,179.000 / 44 138

138

NAS1149F0332P

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

312

m133709

312

ST262

2867

m134257

37

m134676

830

m135058

2000

DAS
6
27
9-89

NAS1149F0363P

Purchased

No

100

Each

349.0000 2

2

NAS1149F0363P

WASHER

DAS

Location

Loc Qty

Loc Code

ST262

349

124555

349

NAS1149F0432P

Purchased

No

100

Each

1,555.000 4

4

NAS1149F0432P

WASHER

DAS
28
9-89

Location

Loc Qty

Loc Code

ST260a

1000

M134955

1000

ST262

555

M134502

555

DAS
6
27
9-89

JUL 26 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																		
Large Fab ☐	Composite ☐	Supplier ☐																			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																	
Description Work Order Deviation		Disposition		Completed By																	
				Lead hand / Supervisor Approval Verification																	
				QC / QA Coordinator Approval																	
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OTHER : _____																					

Picklist Print

Page 20

Tuesday, June 28, 2016 9:02:00 AM

Work Order ID: 148298

148298

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 6/20/2016

Required Date: 6/27/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149FN832P

Purchased

No

100

Each

3,303.000

4

4

NAS1149FN832P

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

397

M133316

16

M133769

381

ST260a

2800

M134257

1200

M135058

1600

ST263

106

M133709

106

DAS
27
9-89
6
9-89

JUL 26 2016

Tuesday, June 28, 2016 9:02:00 AM

Shop Packet Print

Page 20

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																									
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		OTHER :																																															

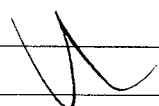
Work Order ID 148298

Tuesday, June 28, 2016 9:02:01 AM

148298

Page 1

Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: AS350 Cable Cutter System
 Start Date: 6/20/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 6/27/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan:  Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
646.4000	C1								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.4001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
6
8-89

JUL 26 2016

DAS
21
9-89

JUL 26 2016